

09362286 Results:

SEQ ID NO: 1

RESULT 3

AAR95069

ID AAR95069 standard; Protein; 348 AA.

XX

AC AAR95069;

XX

DT 27-OCT-1996 (first entry)

XX

DE Mouse pancreas beta-cell line MIN6 galanin receptor.

XX

KW Galanin receptor; stomach ulcer; antiulcer; diabetes; antidiabetic;
KW dementia; neuropeptide; sedative; Alzheimer's disease.

XX

OS Mus musculus.

XX

PN EP711830-A2.

XX

PD 15-MAY-1996.

XX

PF 11-OCT-1995; 95EP-0115996.

XX

PR 31-MAY-1995; 95JP-0134412.

PR 13-OCT-1994; 94JP-0247599.

PR 28-DEC-1994; 94JP-0326610.

XX

PA (TAKE) TAKEDA CHEM IND LTD.

XX

PI Fujii R, Fukusumi S, Hinuma S, Hosoya M, Ohgi K;

PI Ohtaki T, Onda H;

XX

DR WPI; 1996-232095/24.

DR N-PSDB; AAT29435.

XX

PT Isolated galanin receptor proteins - used partic. to identify

PT agonists or antagonists, which can be used to treat, e.g. ulcers,
PT diabetes or dementia

XX

PS Claim 1; Page 46; 71pp; English.

XX

CC This sequence encoding a mouse galanin receptor protein was obtained
CC from the mouse pancreatic beta-cell line, MIN6 (FERM BP-4954), and
CC may be expressed recombinantly in e.g. CHO cells. This protein is
CC particularly used to identify agonists or antagonists which can be
CC used to treat e.g. ulcers, diabetes or dementia, etc. The protein
CC can also be used for the detection of galanin, in the production of
CC antibodies, and transgenic animals.

XX

SQ Sequence 348 AA;

Query Match 95.6%; Score 130; DB 17; Length 348;

Best Local Similarity 96.3%; Pred. No. 1e-12;

Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LAYSNSSVNPPIIYAFLSNFRKRYKQV 27

|||||

Db 290 laysnssvnpaiiyaflsenfrkaykqv 316

RESULT 4

AAR91229

ID AAR91229 standard; Protein; 348 AA.

XX

AC AAR91229;
 XX
 DT 27-AUG-1996 (first entry)
 XX
 DE Mouse pancreas G-protein coupled receptor protein.
 XX
 KW G-protein coupled receptor protein; G-PCR; agonist; antagonist;
 KW cystic fibrosis; incontinence; diabetes; diagnosis; therapy.
 XX
 OS Mus sp.
 XX
 PN W09605302-A1.
 XX
 PD 22-FEB-1996.
 XX
 PF 10-AUG-1995; 95WO-JP01599.
 XX
 PR 11-AUG-1994; 94JP-0189272.
 PR 11-AUG-1994; 94JP-0189273.
 PR 11-AUG-1994; 94JP-0189274.
 PR 30-SEP-1994; 94JP-0236356.
 PR 30-SEP-1994; 94JP-0236357.
 PR 02-NOV-1994; 94JP-0270017.
 PR 28-DEC-1994; 94JP-0326611.
 PR 20-JAN-1995; 95JP-0007177.
 PR 16-MAR-1995; 95JP-0057186.
 PR 19-APR-1995; 95JP-0093989.
 XX
 PA (TAKE) TAKEDA CHEM IND LTD.
 XX
 PI Fujii R, Fukusumi S, Hinuma S, Hosoya M, Ohgi K;
 PI Ohtaki T;
 XX
 DR WPI; 1996-139698/14.
 DR N-PSDB; AAT13905.
 XX
 PT G-protein coupled receptor protein DNA and protein - also methods
 PT for isolating (ant)agonists for treatment of cystic fibrosis,
 PT incontinence and diabetes
 XX
 PS Example 10; Page 259-60; 360pp; English.
 XX
 CC A novel mouse pancreas beta-cell line MIN6-derived G-protein
 CC coupled receptor protein (G-PCR) (AAR91229) was identified as
 CC the product of cDNA clone pmGR20 (AAT13905). The protein can be
 CC obtd. by expression of the encoding cDNA clone in transformed host
 CC cells. G-PCRs (see also AAR91217-25 and AAR91227-33) can be used to
 CC screen agonists and antagonists that modulate G-PCR activity, to
 CC raise antibodies and to develop assay systems.
 XX
 SQ Sequence 348 AA;

Query Match 95.6%; Score 130; DB 17; Length 348;
 Best Local Similarity 96.3%; Pred. No. 1e-12;
 Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LAYSNSSVNPPIIYAFLESENFRKRYKQV 27
 |||||||||||||||||||||
 Db 290 laysnssvnpriyaflsenfrkaykqv 316

RESULT 5
 AAR79443
 ID AAR79443 standard; Protein; 349 AA.
 XX
 AC AAR79443;
 XX
 DT 17-JAN-1996 (first entry)
 XX
 DE Galanin receptor.

XX
 KW Galanin receptor; gene; antibody; analgesic; probe; detection;
 KW diagnosis; neurological disorder; endocrine disorder;
 KW psychiatric disorder; gene expression; ds.
 XX
 OS Homo sapiens.
 XX
 PN FR2716205-A1.
 XX
 PD 18-AUG-1995.
 XX
 PF 17-FEB-1994; 94FR-0001808.
 XX
 PR 17-FEB-1994; 94FR-0001808.
 XX
 PA (RHON) RHONE POULENC RORER SA.
 XX
 PI Amiranoff B, Habert-ortoli E, Loquet I;
 XX
 DR WPI; 1995-285172/38.
 DR N-PSDB; AAQ97304.
 XX
 PT New galanin receptor gene - useful for diagnosing neurological,
 PT cardiovascular, endocrine or psychiatric disorders.
 XX
 PS Claim 8; Page 15-18; 27pp; French.
 XX
 CC Galininergetic receptors are useful as biological and pharmacological
 CC research tools and for production of antibodies. Agonists of such
 CC receptors are useful as analgesics. Probes directed against the
 CC gene are useful for detecting expression of galaninergetic receptors,
 CC for detecting genetic abnormalities, for diagnosing neurological,
 CC cardiovascular, endocrine or psychiatric disorders and for detecting
 CC and isolating nucleic acid sequences coding for galaninergetic
 CC polypeptides.
 XX
 SQ Sequence 349 AA;

 Query Match 95.6%; Score 130; DB 16; Length 349;
 Best Local Similarity 96.3%; Pred. No. 1e-12;
 Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

 Qy 1 LAYSNSSVNPIIYAFLSENFRKRYKQV 27
 |||||
 Db 291 laysnssvnpIIYAflsenfrkaykqv 317

ISSUED:

SUMMARIES

Result		% Query				Description
No.	Score	Match	Length	DB	ID	
1	130	95.6	346	4	US-09-199-737-5	Sequence 5, Appli
2	130	95.6	346	4	US-08-993-088A-3	Sequence 3, Appli
3	130	95.6	346	4	US-08-993-424B-3	Sequence 3, Appli
4	130	95.6	348	3	US-08-513-974B-46	Sequence 46, Appl
5	130	95.6	348	3	US-08-513-974B-342	Sequence 342, App
6	130	95.6	348	4	US-08-993-088A-10	Sequence 10, Appl
7	130	95.6	348	4	US-08-993-424B-10	Sequence 10, Appl
8	130	95.6	349	3	US-08-513-974B-343	Sequence 343, App
9	130	95.6	349	4	US-08-993-088A-11	Sequence 11, Appl
10	130	95.6	349	4	US-08-993-424B-11	Sequence 11, Appl
11	130	95.6	351	3	US-08-513-974B-344	Sequence 344, App
12	130	95.6	395	4	US-08-900-230-5	Sequence 5, Appli
13	95	69.9	367	2	US-08-454-549-4	Sequence 4, Appli
14	95	69.9	367	3	US-08-454-552-4	Sequence 4. Appli

15	95	69.9	367	3	US-08-676-351-3	Sequence 3, Appli
16	95	69.9	372	1	US-08-149-093A-6	Sequence 6, Appli
17	95	69.9	372	2	US-08-911-245-6	Sequence 6, Appli
18	95	69.9	372	2	US-08-411-859-2	Sequence 2, Appli
19	95	69.9	372	2	US-08-411-859-10	Sequence 10, Appl
20	95	69.9	372	3	US-08-147-592A-4	Sequence 4, Appli
21	95	69.9	372	4	US-08-430-286A-6	Sequence 6, Appli

RESULT 2

US-08-993-088A-3

; Sequence 3, Application US/08993088A

; Patent No. 6287855

; GENERAL INFORMATION:

; APPLICANT: Tan, Carina

; APPLICANT: Sullivan, Kathleen

; TITLE OF INVENTION: GALANIN RECEPTOR GALR2 AND

; TITLE OF INVENTION: NUCLEOTIDES ENCODING SAME

; NUMBER OF SEQUENCES: 20

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Merck & Co., Inc.

; STREET: P.O. Box 2000, 126 E. Lincoln Ave.

; CITY: Rahway

; STATE: NJ

; COUNTRY: USA

; ZIP: 07065-0900

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: Windows

; SOFTWARE: FastSEQ for Windows Version 2.0b

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/993,088A

; FILING DATE: 18-DEC-1997

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/033,851

; FILING DATE: 27-DEC-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Heber, Sheldon O.

; REGISTRATION NUMBER: 38,179

; REFERENCE/DOCKET NUMBER: 19846

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 732-594-1958

; TELEFAX: 732-594-4720

; TELEX:

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 346 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-993-088A-3

Query Match 95.6%; Score 130; DB 4; Length 346;

Best Local Similarity 96.3%; Pred. No. 2.2e-11;

Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LAYNSSSVNPIIYAFLSENFRKRYKQV 27

|||||

Db 289 LAYNSSSVNPIIYAFLSENFRKAYKQV 315

RESULT 4

US-08-513-974B-46

; Sequence 46, Application US/08513974B

; Patent No. 6114139

; GENERAL INFORMATION:

; APPLICANT: Hinuma, Shuji

; APPLICANT: Hosoya, Masaki
; APPLICANT: Fujii, Ryo
; APPLICANT: Ohtaki, Tetsuya
; APPLICANT: Fukusumi, Shoji
; APPLICANT: Ohgi, Kazuhiro
; TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
; TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
; NUMBER OF SEQUENCES: 380
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/513,974B
; FILING DATE: 14-SEP-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP95/01599
; FILING DATE: 10-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-093989
; FILING DATE: 19-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-057186
; FILING DATE: 16-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-007177
; FILING DATE: 20-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-326611
; FILING DATE: 28-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-270017
; FILING DATE: 02-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-236357
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-236356
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189274
; FILING DATE: 11-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189273
; FILING DATE: 11-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189272
; FILING DATE: 11-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Resnick, David S.
; REGISTRATION NUMBER: 34,235
; REFERENCE/DOCKET NUMBER: 45753
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 348 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

US-08-513-974B-46

Query Match 95.6%; Score 130; DB 3; Length 348;
Best Local Similarity 96.3%; Pred. No. 2.2e-11;
Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LAYSNSSVNPIIYAFLSENFRKRYKQV 27
| | | | | | | | | | | | | | | | | | | | | |
Db 290 LAYSNSSVNPIIYAFLSENFRKAYKQV 316

RESULT 14

US-08-454-552-4

; Sequence 4, Application US/08454552
; Patent No. 6005072
; GENERAL INFORMATION:
; APPLICANT: EPPLER, C. Mark
; APPLICANT: OZENBERGER, Bradley A.
; APPLICANT: HULMES, Jeffrey D.
; TITLE OF INVENTION: cDNA's ENCODING PROTEINS CLOSELY RELATED
; TITLE OF INVENTION: TO OPIOID RECEPTORS
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Darby & Darby, P.C.
; STREET: 805 Third Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/454,552
; FILING DATE: 30-MAY-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Robinson, Joseph R.
; REGISTRATION NUMBER: 33,448
; REFERENCE/DOCKET NUMBER: 0646/1A818-US4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 527-7700
; TELEFAX: (212) 753-6237
; TELEX: 236687
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 367 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Rat
US-08-454-552-4

Query Match 69.9%; Score 95; DB 3; Length 367;
Best Local Similarity 55.6%; Pred. No. 2.7e-06;
Matches 15; Conservative 9; Mismatches 3; Indels 0; Gaps 0;

Qy 1 LAYSNSSVNPIIYAFLSENFRKRYKQV 27
| | : | | : | | : | | : | | : | | : | | : | | :
Db 306 LGYANSSSLNPVLYAFLDENFKRCFRQL 332

RESULT 15

US-08-676-351-3

; Sequence 3, Application US/08676351C
; Patent No. 6046026

Biochem. Biophys. Res. Commun. 241, 558-564, 1997
 A;Title: Cloning, chromosomal location, and transcriptional regulation of the human galanin-1 receptor gene (GALN1R).
 A;Reference number: JC5801; MUID:98086390
 A;Accession: JC5801
 A;Status: nucleic acid sequence not shown
 A;Molecule type: mRNA
 A;Residues: 1-349 <LOR>
 A;Cross-references: GB:U53511; NID:g1297337; PIDN:AAC51936.1; PID:g1297338
 A;Note: submitted to the EMBL Data Library, April 1996
 R;Ross, P.C.
 submitted to the EMBL Data Library, March 1995
 A;Reference number: G08350
 A;Accession: G01765
 A;Status: translated from GB/EMBL/DDBJ
 A;Molecule type: mRNA
 A;Residues: 1-14, 'W', 16-349 <ROS>
 A;Cross-references: EMBL:U23854; NID:g775209; PID:g775210
 C;Comment: This receptor inhibits cAMP formation, stimulates and inhibits phospholipase C activity, decreases phorbol ester-induced protein phosphorylation by a protein kinase C-independent mechanism, and increases arachadonic acid metabolism, as well as opens ATP-dependent K⁺ but closes N-type Ca²⁺ channels.
 C;Genetics:
 A;Gene: GDB:GALNR
 A;Cross-references: GDB:392699; OMIM:600377
 A;Map position: 18q23-18q23
 C;Superfamily: vertebrate rhodopsin

Query Match 95.6%; Score 130; DB 2; Length 349;
 Best Local Similarity 96.3%; Pred. No. 7.9e-12;
 Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LAYSNSSVNPIIYAFLSENFRKRYQV 27
 |||||
 Db 291 LAYSNSSVNPIIYAFLSENFRKAYQV 317

RESULT 5
 B48227
 delta opioid receptor 1 - mouse
 C;Species: Mus musculus (house mouse)
 C;Date: 26-May-1994 #sequence_revision 26-May-1994 #text_change 24-Nov-1999
 C;Accession: B48227; S37807; A48685; S36745
 R;Yasuda, K.; Raynor, K.; Kong, H.; Breder, C.D.; Takeda, J.; Reisine, T.; Bell, G.I.
 Proc. Natl. Acad. Sci. U.S.A. 90, 6736-6740, 1993
 A;Title: Cloning and functional comparison of kappa and delta opioid receptors from mouse brain.
 A;Reference number: A48227; MUID:93342064
 A;Accession: B48227
 A;Status: preliminary
 A;Molecule type: mRNA
 A;Residues: 1-372 <YAS>
 A;Cross-references: GB:L11064; NID:g348246; PIDN:AAA37520.1; PID:g348247
 R;Kieffer, B.L.; Befort, K.; Gaveriaux-Ruff, C.; Hirth, C.G.
 submitted to the EMBL Data Library, February 1993
 A;Reference number: S37807
 A;Accession: S37807
 A;Status: preliminary
 A;Molecule type: mRNA
 A;Residues: 1-372 <KIE>
 A;Cross-references: EMBL:L06322; NID:g192942; PIDN:AAA37522.1; PID:g192943
 R;Bzdega, T.; Chin, H.; Kim, H.; Jung, H.H.; Kozak, C.A.; Klee, W.A.
 Proc. Natl. Acad. Sci. U.S.A. 90, 9305-9309, 1993
 A;Title: Regional expression and chromosomal localization of the delta opiate receptor gene.
 A;Reference number: A48685; MUID:94022364
 A;Accession: A48685
 A;Status: preliminary
 A;Molecule type: mRNA
 A;Residues: 8-372 <BZD>

A;Cross-references: GB:S66181; NID:g435781; PIDN:AAB28546.1; PID:g435782
A;Experimental source: NG108-15 hybrid cells
A;Note: sequence extracted from NCBI backbone (NCBIN:138618, NCBIPI:138619)
R;Kieffer, B.L.; Befort, K.; Gaveriaux-Ruff, C.; Hirth, C.G.
Proc. Natl. Acad. Sci. U.S.A. 89, 12048-12052, 1992
A;Title: The delta-opioid receptor: isolation of a cDNA by expression cloning and
pharmacological characterization.
A;Reference number: S36745; MUID:93101664
A;Accession: S36745
A;Molecule type: mRNA
A;Residues: 1-189, 'N', 191, 'GMVQ', 207-208, 'ACSSSPVQLVL', 210-372 <KI>
A;Cross-references: EMBL:L06322
C;Superfamily: vertebrate rhodopsin
C;Keywords: brain; G protein-coupled receptor; glycoprotein; phosphoprotein;
transmembrane protein

```

RESULT      6
S34592
delta opioid receptor - rat
C;Species: Rattus norvegicus (Norway rat)
C;Date: 10-Dec-1993 #sequence_revision 10-Nov-1995 #text_change 20-Jun-2000
C;Accession: S34592; I56571
R;Fukuda, K.; Kato, S.; Mori, K.; Nishi, M.; Takeshima, H.
FEBS Lett. 327, 311-314, 1993
A;Title: Primary structures and expression from cDNAs of rat opioid receptor delta- and
mu-subtypes.
A;Reference number: S34592; MUID:93351652
A;Accession: S34592
A;Molecule type: mRNA
A;Residues: 1-372 <FUK>
A;Cross-references: GB:D16348; NID:g391864; PIDN:BAA03851.1; PID:g391865
R;Aboud, M.E.
J. Neurosci. Res. 27, 714-719, 1994
A;Title: Molecular cloning and expression of a rat delta opioid receptor from rat brain.
A;Reference number: I56571
A;Accession: I56571
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-372 <RES>
A;Cross-references: EMBL:U00475; NID:g403488; PIDN:AAA19939.1; PID:g514211
C;Genetics:
A;Gene: dor1
C;Superfamily: vertebrate rhodopsin
C;Keywords: G protein-coupled receptor; transmembrane protein

```

RESULT 8
JC2083
somatostatin receptor 2 - pig
C;Species: Sus scrofa domestica (domestic pig)
C;Date: 30-Sep-1993 #sequence revision 20-Aug-1994 #text change 21-Jul-2000

B41795
 somatostatin receptor 2 - human
 C;Species: Homo sapiens (man)
 C;Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 24-Nov-1999
 C;Accession: B41795
 R;Yamada, Y.; Post, S.R.; Wang, K.; Tager, H.S.; Bell, G.I.; Seino, S.
 Proc. Natl. Acad. Sci. U.S.A. 89, 251-255, 1992
 A;Title: Cloning and functional characterization of a family of human and mouse
 somatostatin receptors expressed in brain, gastrointestinal tract, and kidney.
 A;Reference number: A41795; MUID:92108031
 A;Accession: B41795
 A;Molecule type: DNA
 A;Residues: 1-369 <YAM>
 A;Cross-references: GB:M81830; NID:g307435; PIDN:AAA58248.1; PID:g307436
 A;Note: sequence extracted from NCBI backbone (NCBIN:74769, NCBIP:74770)
 C;Genetics:
 A;Gene: GDB:SSTR2
 A;Cross-references: GDB:134186; OMIM:182452
 A;Map position: 17q24-17q24
 A;Introns: #status absent
 C;Superfamily: vertebrate rhodopsin
 C;Keywords: G protein-coupled receptor; glycoprotein; hormone receptor; lipoprotein;
 phosphoprotein; thiolester bond; transmembrane protein
 F;44-69/Domain: transmembrane #status predicted <TM1>
 F;80-105/Domain: transmembrane #status predicted <TM2>
 F;117-138/Domain: transmembrane #status predicted <TM3>
 F;158-180/Domain: transmembrane #status predicted <TM4>
 F;205-235/Domain: transmembrane #status predicted <TM5>
 F;254-281/Domain: transmembrane #status predicted <TM6>
 F;288-315/Domain: transmembrane #status predicted <TM7>
 F;9,22,29,32,351/Binding site: carbohydrate (Asn) (covalent) #status predicted
 F;115-193/Disulfide bonds: #status predicted
 F;250/Binding site: phosphate (Ser) (covalent) (by cAMP-dependent kinase) #status
 predicted
 F;328/Binding site: palmitate (Cys) (covalent) #status predicted

Query Match 68.4%; Score 93; DB 2; Length 369;
 Best Local Similarity 59.3%; Pred. No. 3.3e-06;
 Matches 16; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

Qy 1 LAYSNSSVNPIIYAFLSENFRKRYKQV 27
 | : | | | : | | | | : | | : | : |
 Db 300 LTYANSCANPILYAFLSDNFKKSFQNV 326

RESULT 11
 D41795
 somatostatin receptor 2 - mouse
 C;Species: Mus musculus (house mouse)
 C;Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 24-Nov-1999
 C;Accession: D41795; I56236
 R;Yamada, Y.; Post, S.R.; Wang, K.; Tager, H.S.; Bell, G.I.; Seino, S.
 Proc. Natl. Acad. Sci. U.S.A. 89, 251-255, 1992
 A;Title: Cloning and functional characterization of a family of human and mouse
 somatostatin receptors expressed in brain, gastrointestinal tract, and kidney.
 A;Reference number: A41795; MUID:92108031
 A;Accession: D41795
 A;Status: nucleic acid sequence not shown
 A;Molecule type: DNA
 A;Residues: 1-369 <YAM>
 A;Cross-references: GB:M81832; NID:g201060; PIDN:AAA58256.1; PID:g201061
 R;Elliott, D.E.; Metwali, A.; Blum, A.M.; Sandor, M.; Lynch, R.; Weinstock, J.V.
 J. Immunol. 153, 1180-1186, 1994
 A;Title: T lymphocytes isolated from the hepatic granulomas of schistosome-infected mice
 express somatostatin receptor subtype II (SSTR2) messenger RNA.
 A;Reference number: I56236; MUID:94300079
 A;Accession: I56236
 A;Status: preliminary; translated from GB/EMBL/DDBJ
 A;Molecule type: mRNA
 A;Residues: 99-309 <RES>

Query Match 68.4%; Score 93; DB 2; Length 369;
Best Local Similarity 59.3%; Pred. No. 3.3e-06;
Matches 16; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

```

RESULT 12
JC4629
somatostatin receptor type-4 - mouse
C;Species: Mus musculus (house mouse)
C;Date: 10-Apr-1996 #sequence_revision 24-May-1996 #text_change 24-Nov-1999
C;Accession: JC4629
R;Schwabe, W.; Brennan, M.B.; Hochgeschwender, U.
Gene 168, 233-235, 1996
A;Title: Isolation and characterization of the mouse (Mus musculus) somatostatin receptor
type-4-encoding gene (mSSTR4).
A;Reference number: JC4629; MUID:96194903
A;Accession: JC4629
A;Molecule type: DNA
A;Residues: 1-384 <SCH>
A;Cross-references: GB:U26176; NID:g833840; PIDN:AAA67561.1; PID:g833841
C;Comment: This protein works through the G-proteins and plays a role in mediating
intercellular signalling by somatostatin.
C;Genetics:
A;Gene: sstr4
C;Superfamily: vertebrate rhodopsin
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C;Species: Homo sapiens (man)
C;Date: 24-May-1996 #sequence_revision 24-May-1996 #text_change 21-Jul-2000
C;Accession: I38974
R;O'Dowd, B.F.; Scheideler, M.A.; Nguyen, T.; Cheng, R.; Rasmussen, J.S.; Zastawny, R.;
Marchese, A.; Heng, H.H.Q.; Tsui, L.
Genomics 28, 84-91, 1995
A;Title: The cloning and chromosomal mapping of two novel human opioid-somatostatin-like
receptor genes, GPR7 and GPR8, expressed in discrete areas of the brain.
A;Reference number: A57647; MUID:96070436
A;Accession: I38974
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A;Cross-references: GDB:371716; OMIM:600730
A;Map position: 20q13.3-20q13.3
C;Superfamily: vertebrate rhodopsin
C;Keywords: G protein-coupled receptor

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